CFP2000 Result

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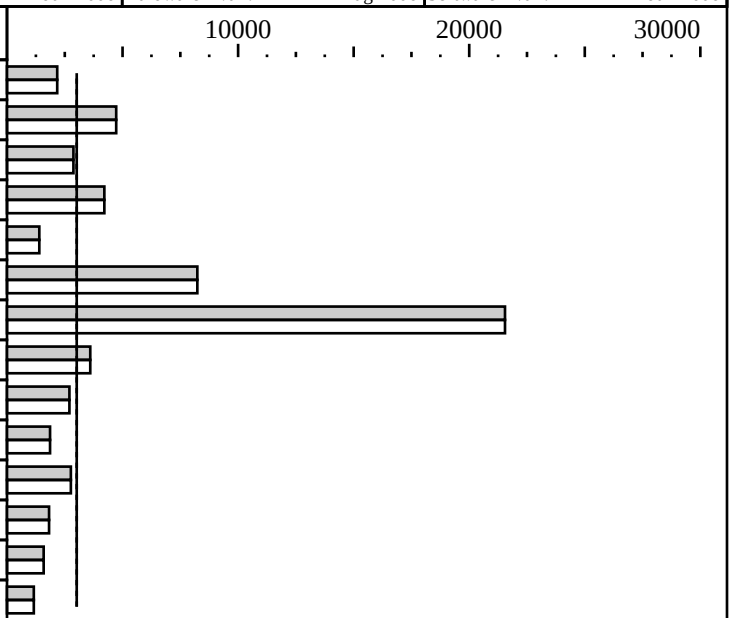
Bull
NovaScale 3045 (1600MHz)

SPECfp2000 = 3017

SPECfp_base2000 = 3017

SPEC license #: 20 | Tested by: Bull | Test date: Jun-2006 | Hardware Avail: Aug-2006 | Software Avail: Jun-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	73.6	2173	73.6	2173
171.swim	3100	65.6	4725	65.6	4725
172.mgrid	1800	62.6	2875	62.6	2875
173.applu	2100	49.9	4212	49.9	4212
177.mesa	1400	100	1398	100	1398
178.galgel	2900	35.2	8236	35.2	8236
179.art	2600	12.1	21548	12.1	21548
183.equake	1300	36.1	3603	36.1	3603
187.facerec	1900	70.4	2701	70.4	2701
188.ammp	2200	118	1863	118	1863
189.lucas	2000	72.4	2763	72.4	2763
191.fma3d	2100	115	1820	115	1820
200.sixtrack	1100	69.3	1586	69.3	1586
301.apsi	2600	224	1160	224	1160



Hardware

CPU:	Itanium 2 Processor 9050 1600 MHz FSB 533MHz
CPU MHz:	1600
FPU:	Integrated
CPU(s) enabled:	8 cores, 4 chips, 2 cores/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1, 2, 3 or 4 (chips)
Parallel:	No
Primary Cache:	16KBI + 16KBD on chip per core
Secondary Cache:	1MBI + 256KBD on chip per core
L3 Cache:	12MB (I+D) on chip per core
Other Cache:	N/A
Memory:	32 GB (32* 1GB ECC DIMMs DDR2-533 PC4200 533MHZ CL4)
Disk Subsystem:	2*10krpm 73GB SAS disks
Other Hardware:	

Software

Operating System:	Bull Advanced Server 4 (linux kernel 2.6.12 (64k pages), glibc 2.3.4)
Compiler:	Intel(R) Fortran Compiler for Linux 9.1 (Build 20060523) Intel(R) C++ Compiler for Linux 9.1 (Build 20060523)
File System:	ext3
System State:	Multi User

Notes/Tuning Information

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+FDO: PASS1=-prof_gen  PASS2=-prof_use

Baseline optimization flags:
  C programs:       -fast -ansi_alias -IPF_fp_relaxed +FDO
  Fortran programs: -fast -IPF_fp_relaxed + FDO

Portability Flags:
  178.galgel:  -FI

Peak optimization flags: basepeak=true

The option "maxcpus=0 (ie=UP kernel)" was added to the "elilo.conf"
configuration file in order to invoke a uniprocessor environment.
4 memory boxes, with 8 DIMMs in each
For information about Bull please see:
http://www.bull.com
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